



August 4, 2014

South Coast Air Quality Management District
21865 Copley Drive
P.O. Box 4944
Diamond Bar, CA 91765-0944

Attn: Mr. Jackson Yoong

Re: Permit No. G2985 - Modification of Existing Ambient Aeration Room
Sterigenics' Los Angeles 50th St. Facility-Facility ID #: 126191

Dear Mr. Yoong,

Per our phone conversation, enclosed is an application to modify the existing ambient temperature aeration room at our 50th Street Los Angeles Facility into two separate aeration rooms (one heated and one ambient). The new aeration rooms will be constructed within the footprint of the existing ambient aeration room. The existing heated aeration room will continue unchanged. The facility's aeration rooms presently operate under Permit # G2985 (A/N 497029) issued May 22, 2009.

The proposed heated aeration room modification is planned for construction in early January of 2015. Other than creating a second heated aeration room from an area within the existing ambient aeration room, no changes will occur in the emission treatment process involving the facility's Donaldson Abator system.

Included with this submission are Forms 400-A, 400-CEQA and 400-E-GI, and a check for \$3671.95.

Please contact me at 847/263-3499 if you have questions or should need further information.

Sincerely,

A handwritten signature in black ink, appearing to read 'Jeffrey Smith'.

Jeffrey Smith
EH&S Manager

Encl:

Cc: Mr. David Ibarra



South Coast Air Quality Management District

Form 400-A**Application Form for Permit or Plan Approval**

List only one piece of equipment or process per form.

Mail To:
SCAQMD
P.O. Box 4944
Diamond Bar, CA 91765-0944
Tel: (909) 396-3385
www.aqmd.gov

Section A - Operator Information

1. Facility Name (Business Name of Operator to Appear on the Permit):

Sterigenics U.S., LLC - Los Angeles 50th St. Facility

2. Valid AQMD Facility ID (Available On Permit Or Invoice Issued By AQMD):

126191

3. Owner's Business Name (If different from Business Name of Operator):

Section B - Equipment Location Address4. Equipment Location Is: ☒ Fixed Location ☐ Various Location
(For equipment operated at various locations, provide address of initial site.)

4801 50th Street

Street Address

Los Angeles, CA 90058

City Zip

David Ibarra General Manager

Contact Name

(323) 582-8421

Phone #

Ext.

(323) 582-6552

Fax #

E-Mail: dibarra@sterigenics.com

Section C - Permit Mailing Address

5. Permit and Correspondence Information:

☐ Check here if same as equipment location address

2015 Spring Rd., Suite 650

Address

Oak Brook, IL 60523

City State Zip

Jeffrey Smith EHS Manager

Contact Name

(847) 263-3499

Phone #

Ext.

(847) 855-6123

Fax #

E-Mail: jpsmith@sterigenics.com

Section D - Application Type6. The Facility Is: ☒ Not In RECLAIM or Title V ☐ In RECLAIM ☐ In Title V ☐ In RECLAIM & Title V Programs

7. Reason for Submitting Application (Select only ONE):

7a. New Equipment or Process Application:

- ☐ New Construction (Permit to Construct)
☐ Equipment On-Site But Not Constructed or Operational
☐ Equipment Operating Without A Permit *
☐ Compliance Plan
☐ Registration/Certification
☐ Streamlined Standard Permit

7c. Equipment or Process with an Existing/Previous Application or Permit:

- ☐ Administrative Change
☒ Alteration/Modification
☐ Alteration/Modification without Prior Approval *
☐ Change of Condition
☐ Change of Condition without Prior Approval *
☐ Change of Location
☐ Change of Location without Prior Approval *
☐ Equipment Operating with an Expired/Inactive Permit *

Existing or Previous Permit/Application

If you checked any of the items in 7c., you MUST provide an existing Permit or Application Number:

G2985

7b. Facility Permits:

- ☐ Title V Application or Amendment (Refer to Title V Matrix)
☐ RECLAIM Facility Permit Amendment

* A Higher Permit Processing Fee and additional Annual Operating Fees (up to 3 full years) may apply (Rule 301(c)(1)(D)(i)).

8a. Estimated Start Date of Construction (mm/dd/yyyy):

01/01/2015

8b. Estimated End Date of Construction (mm/dd/yyyy):

01/15/2015

8c. Estimated Start Date of Operation (mm/dd/yyyy):

01/15/2015

9. Description of Equipment or Reason for Compliance Plan (list applicable rule):

Modification of existing 322' x 40' x 16' ambient aeration room into two aeration rooms (1 heated and 1 ambient) in existing footprint

10. For identical equipment, how many additional applications are being submitted with this application? (Form 400-A required for each equipment / process)

11. Are you a Small Business as per AQMD's Rule 102 definition?

(10 employees or less and total gross receipts are \$500,000 or less OR a not-for-profit training center)

☒ No ☐ Yes12. Has a Notice of Violation (NOV) or a Notice to Comply (NC) been issued for this equipment? ☒ No ☐ Yes
If Yes, provide NOV/NC#:**Section E - Facility Business Information**

13. What type of business is being conducted at this equipment location?

Ethylene oxide product sterilization

14. What is your business primary NAICS Code? (North American Industrial Classification System)

561910

15. Are there other facilities in the SCAQMD jurisdiction operated by the same operator? ☐ No ☒ Yes16. Are there any schools (K-12) within 1000 feet of the facility property line? ☒ No ☐ Yes**Section F - Authorization/Signature**

I hereby certify that all information contained herein and information submitted with this application are true and correct.

17. Signature of Responsible Official:

Kathleen Hoffman

18. Title of Responsible Official:

Sr. V.P. Global EHS

19. I wish to review the permit prior to issuance. (This may cause a delay in the application process.) ☐ No ☒ Yes

20. Print Name:

Kathleen Hoffman

21. Date:

07/24/2014

22. Do you claim confidentiality of data? (If Yes, see instructions.) ☒ No ☐ Yes23. Check List: ☒ Authorized Signature/Date ☒ Form 400-CEQA ☒ Supplemental Form(s) (ie., Form 400-E-xx) ☐ Fees Enclosed

AQMD USE ONLY		APPLICATION TRACKING #		CHECK #		AMOUNT RECEIVED \$		PAYMENT TRACKING #		VALIDATION	
DATE	APP REJ	DATE	APP REJ	CLASS I III	BASIC CONTROL	EQUIPMENT CATEGORY CODE		TEAM	ENGINEER	REASON/ACTION TAKEN	

**Form 400-CEQA****California Environmental Quality Act (CEQA) Applicability**Mail To:
SCAQMD
P.O. Box 4944
Diamond Bar, CA 91765-0944Tel: (909) 396-3385
www.aqmd.gov

The SCAQMD is required by state law, the California Environmental Quality Act (CEQA), to review discretionary permit project applications for potential air quality and other environmental impacts. This form is a screening tool to assist the SCAQMD in clarifying whether or not the project¹ has the potential to generate significant adverse environmental impacts that might require preparation of a CEQA document [CEQA Guidelines §15060(a)].² Refer to the attached instructions for guidance in completing this form.³ For each Form 400-A application, also complete and submit one Form 400-CEQA. If submitting multiple Form 400-A applications for the same project at the same time, only one 400-CEQA form is necessary for the entire project. If you need assistance completing this form, contact Permit Services at (909) 396-3385 or (909) 396-2668.

Section A - Facility Information**1. Facility Name** (Business Name of Operator To Appear On The Permit):

Sterigenics U.S., LLC - Los Angeles 50th St. Facility

2. Valid AQMD Facility ID (Available On Permit Or Invoice Issued

By AQMD):

126191

3. Project Description:

Modification of existing 322' x 40' x 16' ambient aeration room to create two new aeration rooms (one heated and one ambient) to provide a total of three aeration rooms at the 50th Street Facility with existing emission controls.

Section B - Review For Exemption From Further CEQA Action

Check "Yes" or "No" as applicable

	Yes	No	Is this application for:
1.	<input type="radio"/>	<input checked="" type="radio"/>	A CEQA and/or NEPA document previously or currently prepared that specifically evaluates this project? If yes, attach a copy of the signed Notice of Determination to this form.
2.	<input type="radio"/>	<input checked="" type="radio"/>	A request for a change of permittee only (without equipment modifications)?
3.	<input type="radio"/>	<input checked="" type="radio"/>	A functionally identical permit unit replacement with no increase in rating or emissions?
4.	<input type="radio"/>	<input checked="" type="radio"/>	A change of daily VOC permit limit to a monthly VOC permit limit?
5.	<input type="radio"/>	<input checked="" type="radio"/>	Equipment damaged as a result of a disaster during state of emergency?
6.	<input type="radio"/>	<input checked="" type="radio"/>	A Title V (i.e., Regulation XXX) permit renewal (without equipment modifications)?
7.	<input type="radio"/>	<input checked="" type="radio"/>	A Title V administrative permit revision?
8.	<input type="radio"/>	<input checked="" type="radio"/>	The conversion of an existing permit into an initial Title V permit?

If "Yes" is checked for any question in Section B, your application does not require additional evaluation for CEQA applicability. Skip to Section D - Signatures on page 2 and sign and date this form.

Section C - Review of Impacts Which May Trigger CEQA


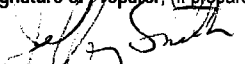
Complete Parts I-VI by checking "Yes" or "No" as applicable. To avoid delays in processing your application(s), explain all "Yes" responses on a separate sheet and attach it to this form.

	Yes	No	Part I - General
1.	<input type="radio"/>	<input checked="" type="radio"/>	Has this project generated any known public controversy regarding potential adverse impacts that may be generated by the project? Controversy may be construed as concerns raised by local groups at public meetings; adverse media attention such as negative articles in newspapers or other periodical publications, local news programs, environmental justice issues, etc.
2.	<input type="radio"/>	<input checked="" type="radio"/>	Is this project part of a larger project? If yes, attach a separate sheet to briefly describe the larger project.
Part II - Air Quality			
3.	<input type="radio"/>	<input checked="" type="radio"/>	Will there be any demolition, excavating, and/or grading construction activities that encompass an area exceeding 20,000 square feet?
4.	<input type="radio"/>	<input checked="" type="radio"/>	Does this project include the open outdoor storage of dry bulk solid materials that could generate dust? If Yes, include a plot plan with the application package.

¹ A "project" means the whole of an action which has a potential for resulting in physical change to the environment, including construction activities, clearing or grading of land, improvements to existing structures, and activities or equipment involving the issuance of a permit. For example, a project might include installation of a new, or modification of an existing internal combustion engine, dry-cleaning facility, boiler, gas turbine, spray coating booth, solvent cleaning tank, etc.

² To download the CEQA guidelines, visit http://ceres.ca.gov/env_law/state.html.

³ To download this form and the instructions, visit <http://www.aqmd.gov/ceqa> or <http://www.aqmd.gov/permit>

Section C - Review of Impacts Which May Trigger CEQA (cont.)			
	Yes	No	Part II - Air Quality (cont.)
5.	<input type="radio"/>	<input checked="" type="radio"/>	Would this project result in noticeable off-site odors from activities that may not be subject to SCAQMD permit requirements? For example, compost materials or other types of greenwaste (i.e., lawn clippings, tree trimmings, etc.) have the potential to generate odor complaints subject to Rule 402 - Nuisance.
6.	<input type="radio"/>	<input checked="" type="radio"/>	Does this project cause an increase of emissions from marine vessels, trains and/or airplanes?
7.	<input type="radio"/>	<input checked="" type="radio"/>	Will the proposed project increase the QUANTITY of hazardous materials stored aboveground onsite or transported by mobile vehicle to or from the site by greater than or equal to the amounts associated with each compound on the attached Table 1? ⁴
Part III - Water Resources			
8.	<input type="radio"/>	<input checked="" type="radio"/>	Will the project increase demand for water at the facility by more than 5,000,000 gallons per day? The following examples identify some, but not all, types of projects that may result in a "yes" answer to this question: 1) projects that generate steam; 2) projects that use water as part of the air pollution control equipment; 3) projects that require water as part of the production process; 4) projects that require new or expansion of existing sewage treatment facilities; 5) projects where water demand exceeds the capacity of the local water purveyor to supply sufficient water for the project; and 6) projects that require new or expansion of existing water supply facilities.
9.	<input type="radio"/>	<input checked="" type="radio"/>	Will the project require construction of new water conveyance infrastructure? Examples of such projects are when water demands exceed the capacity of the local water purveyor to supply sufficient water for the project, or require new or modified sewage treatment facilities such that the project requires new water lines, sewage lines, sewage hook-ups, etc.
Part IV - Transportation/Circulation			
10.	Will the project result in (Check all that apply):		
	<input type="radio"/>	<input checked="" type="radio"/>	a. the need for more than 350 new employees?
	<input type="radio"/>	<input checked="" type="radio"/>	b. an increase in heavy-duty transport truck traffic to and/or from the facility by more than 350 truck round-trips per day?
	<input type="radio"/>	<input checked="" type="radio"/>	c. increase customer traffic by more than 700 visits per day?
Part V - Noise			
11.	<input type="radio"/>	<input checked="" type="radio"/>	Will the project include equipment that will generate noise GREATER THAN 90 decibels (dB) at the property line?
Part VI - Public Services			
12.	Will the project create a permanent need for new or additional public services in any of the following areas (Check all that apply):		
	<input type="radio"/>	<input checked="" type="radio"/>	a. Solid waste disposal? Check "No" if the projected potential amount of wastes generated by the project is less than five tons per day.
	<input type="radio"/>	<input checked="" type="radio"/>	b. Hazardous waste disposal? Check "No" if the projected potential amount of hazardous wastes generated by the project is less than 42 cubic yards per day (or equivalent in pounds).
REMINDER: For each "Yes" response in Section C, attach all pertinent information including but not limited to estimated quantities, volumes, weights, etc.			
Section D - Signatures			
I HEREBY CERTIFY THAT ALL INFORMATION CONTAINED HEREIN AND INFORMATION SUBMITTED WITH THIS APPLICATION IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE. I UNDERSTAND THAT THIS FORM IS A SCREENING TOOL AND THAT THE SCAQMD RESERVES THE RIGHT TO CONSIDER OTHER PERTINENT INFORMATION IN DETERMINING CEQA APPLICABILITY.			
1. Signature of Responsible Official of Firm: 		2. Title of Responsible Official of Firm: Sr. Vice President, Global EHS	
3. Print Name of Responsible Official of Firm: Kathleen Hoffman		4. Date Signed: 07/24/2014	
5. Phone # of Responsible Official of Firm: (630) 928-1758	6. Fax # of Responsible Official of Firm: (630) 928-1701	7. Email of Responsible Official of Firm: KHoffman@Sterigenics.com	
8. Signature of Preparer, (If prepared by person other than responsible official of firm): 		9. Title of Preparer: EHS Manager	
10. Print Name of Preparer: Jeffrey Smith		11. Date Signed: 07/24/2014	
12. Phone # of Preparer: (847) 263-3499	13. Fax # of Preparer: (630) 928-1701	14. Email of Preparer: JPSmith@Sterigenics.com	

THIS CONCLUDES FORM 400-CEQA. INCLUDE THIS FORM AND ANY ATTACHMENTS WITH FORM 400-A.

⁴ Table 1 - Regulated Substances List and Threshold Quantities for Accidental Release Prevention can be found in the Instructions for Form 400-CEQA.

FORM 400-E-GI

GENERAL INFORMATION SUMMARY

1. Equipment/Process Location Drawing:

Attachment 1 provides a diagram depicting the site location and facility layout. Also shown is the location of the proposed heated aeration room.

2. Equipment Description:

This project consists of converting a portion of the existing 322' x 39.6' x 16' high ambient temperature aeration room into a second heated aeration room. The new heated aeration room will measure approximately 97.2' wide x 39.6' long x 16' high. The remaining space will continue as an ambient aeration area.

3. Process Description:

Following Ethylene Oxide (EtO) gas sterilization in one of the facility's sterilization chambers, palletized products are placed in an aeration room (either heated aeration at ~115 °F, or ambient temperature aeration) for typically 1-2 days. The aeration rooms are used for off-gassing EtO prior to the sterilized products being shipped to customers. As shown in Attachment 2, the new heated aeration room will use the existing 14" diameter duct system installed for the aeration rooms for transporting EtO emissions to the Donaldson catalytic oxidation abator system for treatment. The Donaldson system operates under AQMD Permit No. G2976.

4. Operating Schedule:

The aeration room operates 24 hours per day, 365 days per year.

5. Process Rate:

In 2013, approximately 193,900 pounds of EtO was used for product sterilization at the 50th Street plant. Of this total, approximately 4% (or about 7755 pounds/year) is the estimated amount of untreated process EtO emissions originating from the aeration rooms.

6. Fuels & Burners Used:

This section is not applicable - no fuel usage/burning is associated with the ambient aeration room.

7. Flow Diagram:

A simplified process flow diagram is provided in Attachment 3. The basic process steps are:

Additional Heated Aeration Room- Permit Application
Sterigenics U.S., LLC
4801 E. 50th Street Los Angeles Facility
Facility ID # 126191

- Product is received for processing
- Preconditioning of product
- Product sterilization
- Aeration of sterilized product
- Product shipping

8. Drawings of Equipment/Process:

See Attachments 4 and 5 for diagrams of the proposed heated aeration room.

9: Drawings of Exhaust System

See Attachment 2 for a plan drawing of the aeration room ductwork connecting to the Donaldson catalytic oxidation abator system.

10. Stack/Exhaust Emissions Data

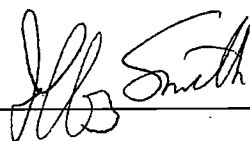
The Donaldson abator system was last tested in April, 2014 and demonstrated a 99.7 % control efficiency for EtO emissions from the aeration rooms. This treatment efficiency complies with both the 40 CFR Part 63, Subpart O and AQMD Rule 1405 standards. Based on 2013 operational data, EtO emissions from the facility's aeration rooms totaled approximately 7755 pounds. Following treatment in the Donaldson abator, an estimated 21 pounds of EtO emissions were emitted for the year.

11. Air Quality Impact:

As stated in #10 (above), treated EtO emissions attributable to the aeration rooms amount to approximately 21 pounds annually. No other constituents are expected to be present in significant amounts.


Authorized Rep: Jeffrey Smith Title: EHS Manager

Authorized Rep Signature: _____



Date: _____

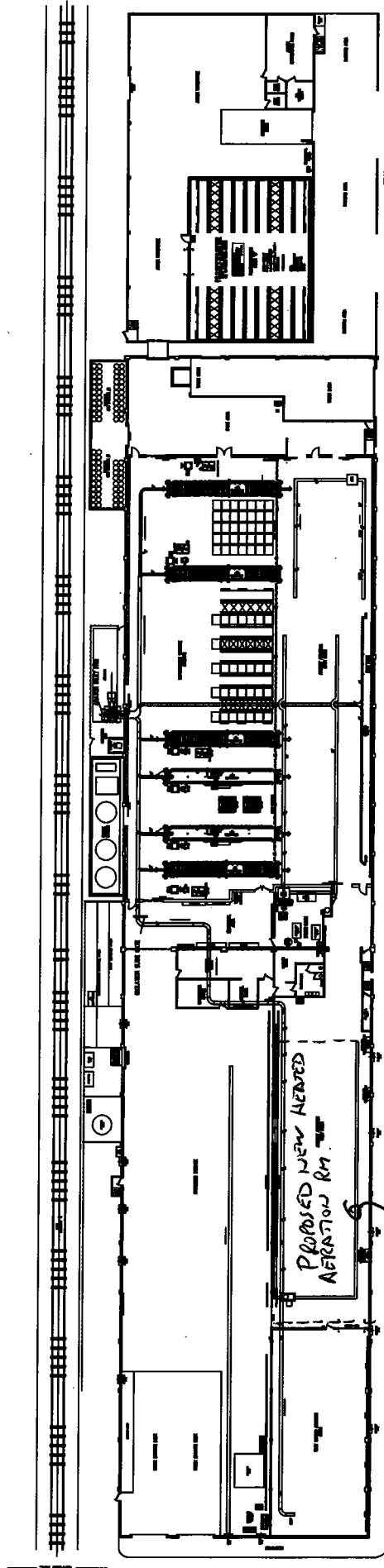
Aug 4, 2014

 **LOS ANGELES, CALIFORNIA**
OVERALL 50TH ST. PLANT LAYOUT

[illegible]

ATTACHMENT 2

AERATION ROOM DUCT SYSTEM
TO DONALDSON ETO ABATOR



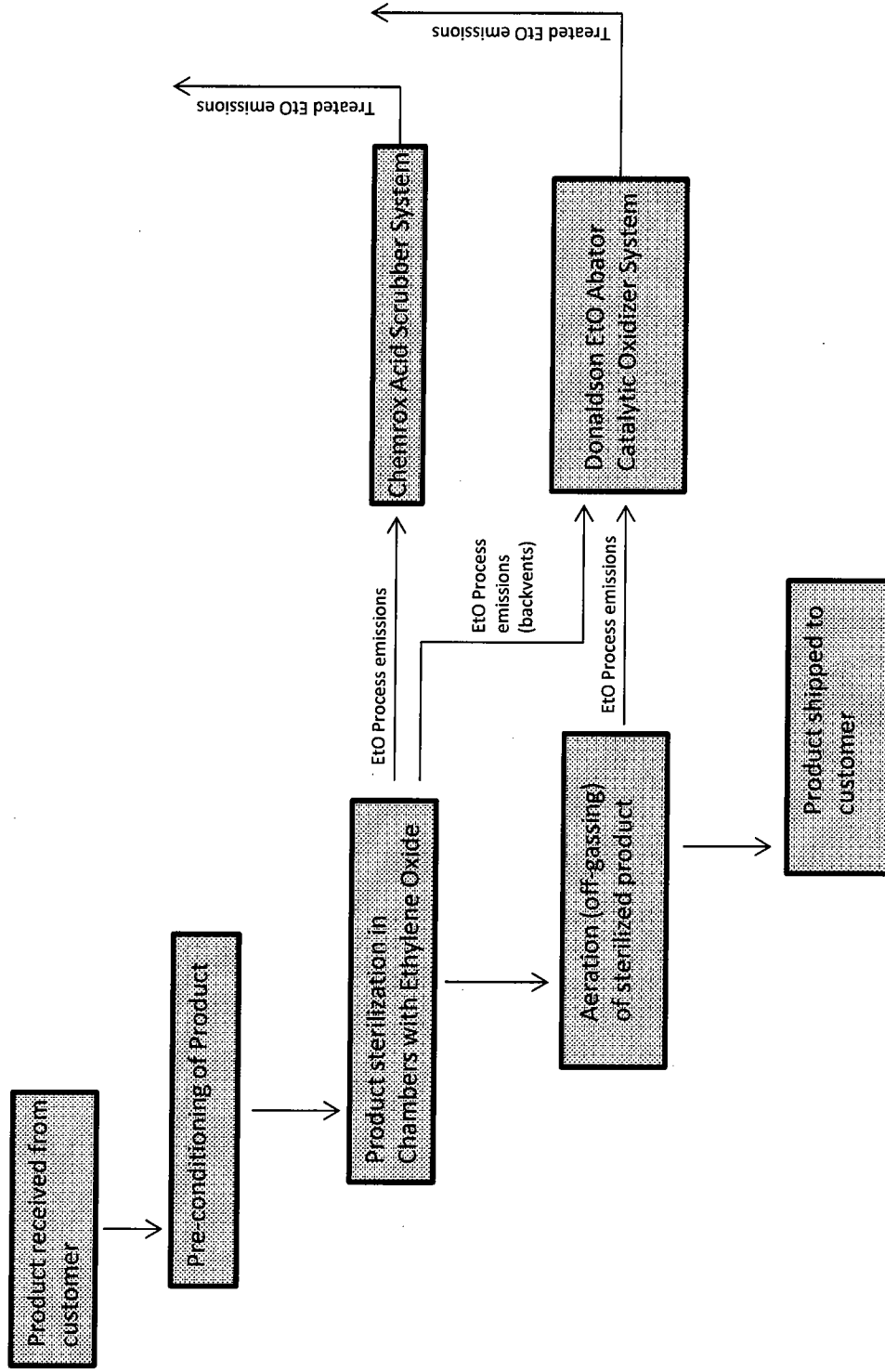
PINK DUCT IS EXISTING 14" DIA
DUCT TO DONALDSON ABATOR SYSTEM

FINAL
AS-INSTALLED

LOW EMISSION DUCTWORK
50TH STREET LOS ANGELES, CALIFORNIA



SEE THE PREVIOUS DRAWING FOR SITE & LAYOUT	
DATE	REVISION
10/1/94	1.0
LOS ANGELES, CALIFORNIA LOW EMISSION DUCTWORK LAYOUT OF 50TH ST. PLAN VIEW	
PROJECT NO.	DATE
LA50-0202	03/24/94

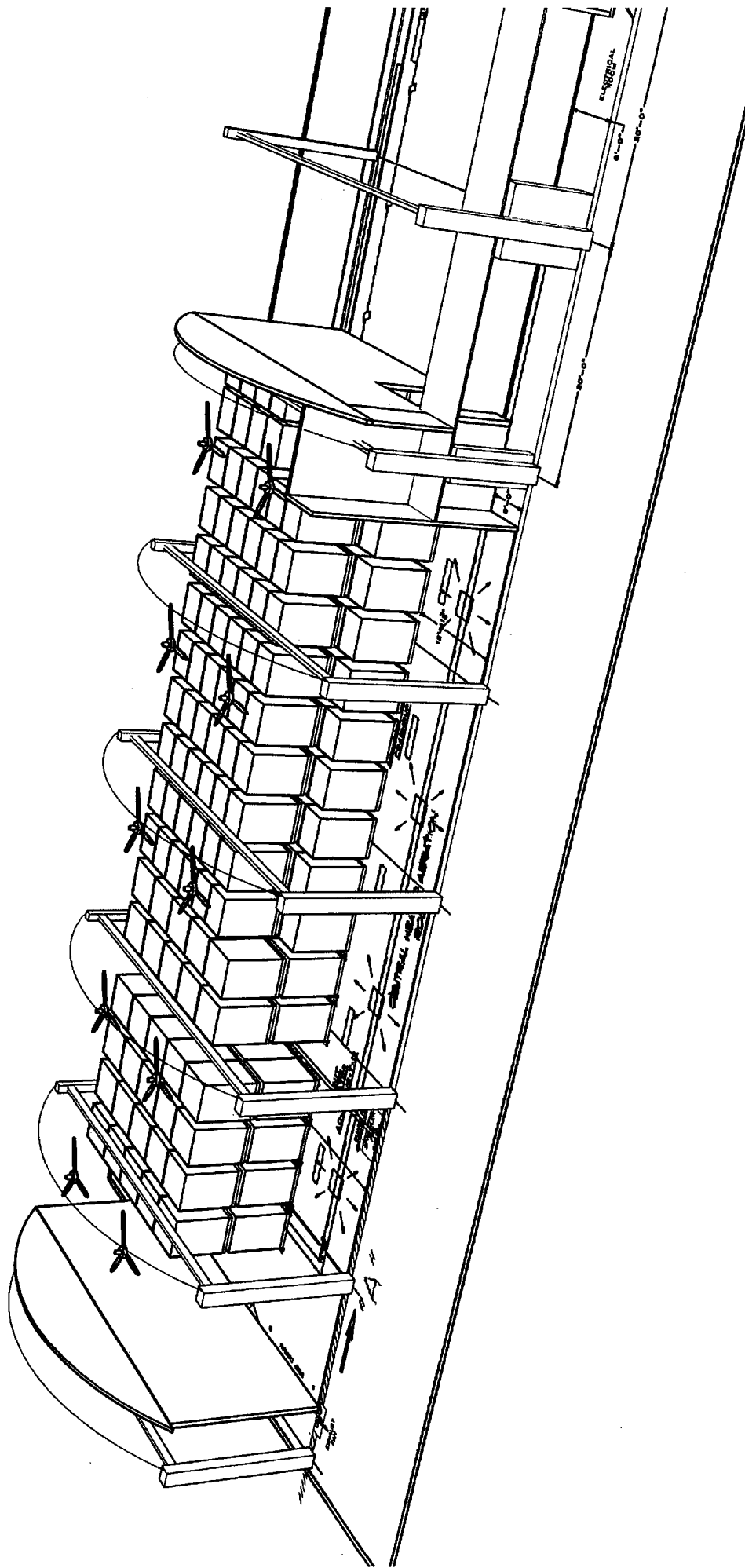


Attachment 3
LA 50th St. Facility
Simplified Process Diagram

ATTACHMENT 4

3-D DIAGRAM OF PROPOSED

HEATED AERATION ROOM



ATTACHMENT 5
 PLAN DIAGRAM OF
 PROPOSED HEATED AERATION RM

